



PTO/SB/21 (09-04)

Approved for use through 07/31/2003. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

7

Application Number

10/646,235

Filing Date

August 22, 2003

First Named Inventor

Dominique Billieres

Art Unit

1775

Examiner Name

Jennifer C. McNeil

Attorney Docket Number

1035-SC4287

**ENCLOSURES (Check all that apply)**

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)

Reply to Missing Parts/  
Incomplete ApplicationReply to Missing Parts  
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a  
Provisional Application

Power of Attorney, Revocation



Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) \_\_\_\_\_

☐ Landscape Table on CD

After Allowance Communication to TC

Appeal Communication to Board  
of Appeals and InterferencesAppeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify  
below):Form PTO-1449 (3 pgs); Cited  
References (16); Return Receipt  
Post Card

Remarks

CUSTOMER NO.: 34456

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

TOLER, LARSON &amp; ABEL, LLP

Signature

Printed name

Jeffrey S. Abel

Date

2/3/05

Reg. No.

36,079

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

Elise K. Dougherty

Date

2/3/05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Dominique Billieres, et al.

Title: CERAMIC ARTICLE HAVING CORROSION-RESISTANT LAYER,  
SEMICONDUCTOR PROCESSING APPARATUS INCORPORATING  
SAME, AND METHOD FOR FORMING SAME

Application No.: 10/646,235

Filed: August 22, 2003

Examiner: Jennifer C. McNeil

Group Art Unit: 1775

Atty. Docket No.: 1035-SC4287

COMMISSIONER FOR PATENTS  
PO Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT TRANSMITTAL**

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the undersigned brings the patents, publications, applications or other information identified in the attached:

- ☒ Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449  
☐ Other: n/a

to the Examiner's attention in the above-identified application. Citation of such information shall not be construed as:

1. an admission that the information necessarily is, or corresponds to, prior art with respect to the instant invention;
2. a representation that a search has been made, other than as described below; or
3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

For each item of information listed that is not in the English language, the undersigned has provided a concise explanation of the relevance, such as through (i) an English language abstract, (ii) an English language equivalent application, (iii) reference to discussion in the application, or (iv) if cited in a search report or other action by a foreign patent office in a

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as either First Class Mail or Express Mail, in an envelope addressed to the Commissioner for Patents on 2-3-05.

Elise K. Dougherty  
Typed or Printed Name

E.K. Dougherty  
Signature

counterpart foreign application, an English language version of the search report or action that indicates the degree of relevance found by the foreign office.

STATEMENT UNDER 37 C.F.R. § 1.704(d)

If the above-identified application is an original application filed on or after May 29, 2000:

- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement.

FEES DUE

This Information Disclosure Statement is being filed:

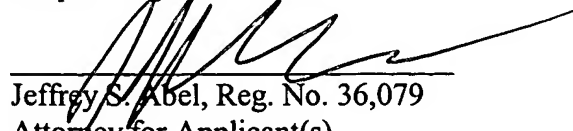
- ☐ within three months of the filing date of a national application or within three months of entry of the national stage as set forth in § 1.491 in an international application. Therefore, no fee is required.
- ☒ before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.
- ☐ during the period specified in § 1.97(c). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this Information Disclosure Statement.
- ☐ during the period specified in § 1.97(c). Accordingly, the fee set forth in § 1.17(p) is required and provided as shown on the attached Fee Transmittal.
- ☐ during the period specified in § 1.97(d). Accordingly, the fee set forth in § 1.17(p) is required and provided as shown on the attached Fee Transmittal. Additionally, each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this Information Disclosure Statement.

Should any PTO fees be necessary for entry of this Information Disclosure Statement, the undersigned hereby authorizes the Commissioner to charge Deposit Account 50-2469.

Date

2/3/05

Respectfully submitted,



Jeffrey S. Abel, Reg. No. 36,079  
Attorney for Applicant(s)  
TOLER, LARSON & ABEL, L.L.P.  
5000 Plaza On The Lake, Suite 265  
Austin, Texas 78746  
(512) 327-5515 (phone)  
(512) 327-5452 (fax)



PTO/SB/38A (03-03)

Approved for use through 07/31/2008. OMB 0551-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                        |                     |
|------------------------|---------------------|
| Application Number     | 10/646,235          |
| Filing Date            | August 22, 2003     |
| First Named Inventor   | Dominique Billieres |
| Art Unit               | 1775                |
| Examiner Name          | Jennifer C. McNeil  |
| Attorney Docket Number | 1035-SC4287         |

Sheet 1

of 3

**U. S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                       | AA                       | US-                                      |                                |  |   |
|                       | AB                       | US-                                      |                                |  |   |
|                       | AC                       | US-                                      |                                |  |   |
|                       | AD                       | US-                                      |                                |  |   |
|                       | AE                       | US-                                      |                                |  |   |
|                       | AF                       | US-                                      |                                |  |   |
|                       | AG                       | US-                                      |                                |  |   |
|                       | AH                       | US-                                      |                                |  |   |
|                       | AI                       | US-                                      |                                |  |   |
|                       | AJ                       | US-                                      |                                |  |   |
|                       | AK                       | US-                                      |                                |  |   |
|                       | AL                       | US-                                      |                                |  |   |
|                       | AM                       | US-                                      |                                |  |   |
|                       | AN                       | US-                                      |                                |  |   |
|                       | AO                       | US-                                      |                                |  |   |
|                       | AP                       | US-                                      |                                |  |   |
|                       | AQ                       | US-                                      |                                |  |   |
|                       | AR                       | US-                                      |                                |  |   |
|                       | AS                       | US-                                      |                                |  |   |

**FOREIGN PATENT DOCUMENTS**

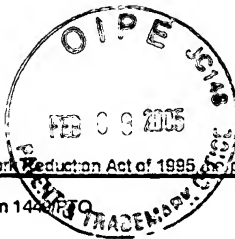
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
|                       |                          | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                   |  |   |                |
|                       | AT                       | JP 9-235685   | 09/09/1997                        | Kyocera Corporation                                | ABSTRACT ONLY   |                |
|                       | AU                       | JP 9-295863   | 11/18/1997                        | Kyocera Corporation                                | ABSTRACT ONLY   |                |
|                       | AV                       | JP 10-4083  | 01/06/1998                        | Kyocera Corporation                                | ABSTRACT ONLY   |                |
|                       | AW                       | JP 10-45461   | 02/17/1998                        | Kyocera Corporation                                | ABSTRACT ONLY   |                |
|                       | AX                       | JP 10-45467   | 02/17/1998                        | Kyocera Corporation                                | ABSTRACT ONLY   |                |
|                       | AY                       | JP 10-67554   | 03/10/1998                        | Kyocera Corporation                                | ABSTRACT ONLY   |                |

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (08-03)

Approved for use through 07/31/2006 OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449 PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of 3

**Complete if Known**

|                        |                     |
|------------------------|---------------------|
| Application Number     | 10/646,235          |
| Filing Date            | August 22, 2003     |
| First Named Inventor   | Dominique Billieres |
| Art Unit               | 1775                |
| Examiner Name          | Jennifer C. McNeil  |
| Attorney Docket Number | 1035-SC4287         |

| U. S. PATENT DOCUMENTS |                          |  |                                |  |   |
|------------------------|--------------------------|--|--------------------------------|--|---|
| Examiner<br>Initials*  | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                        | BA                       | US-                                      |                                |  |   |
|                        | BB                       | US-                                      |                                |  |   |
|                        | BC                       | US-                                      |                                |  |   |
|                        | BD                       | US-                                      |                                |  |   |
|                        | BE                       | US-                                      |                                |  |   |
|                        | BF                       | US-                                      |                                |  |   |
|                        | BG                       | US-                                      |                                |  |   |
|                        | BH                       | US-                                      |                                |  |   |
|                        | BI                       | US-                                      |                                |  |   |
|                        | BJ                       | US-                                      |                                |  |   |
|                        | BK                       | US-                                      |                                |  |   |
|                        | BL                       | US-                                      |                                |  |   |
|                        | BM                       | US-                                      |                                |  |   |
|                        | BN                       | US-                                      |                                |  |   |
|                        | BO                       | US-                                      |                                |  |   |
|                        | BP                       | US-                                      |                                |  |   |
|                        | BQ                       | US-                                      |                                |  |   |
|                        | BR                       | US-                                      |                                |  |   |
|                        | BS                       | US-                                      |                                |  |   |

| FOREIGN PATENT DOCUMENTS |                          |   |                                   |  |   |                |
|--------------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                   |  |   |                |
|                          | BT                       | JP 10-236871  | 09/08/1998                        | Kyocera Corporation                                | ABSTRACT ONLY   |                |
|                          | BU                       | JP 10-330150  | 12/15/1998                        | Kyocera Corporation                                | ABSTRACT ONLY   |                |
|                          | BV                       | JP 11-102900  | 04/13/1999                        | Kyocera Corporation                                | ABSTRACT ONLY   |                |
|                          | BW                       | JP 11-157916  | 06/15/1999                        | Kyocera Corporation                                | ABSTRACT ONLY   |                |
|                          | BX                       | JP 11-214194  | 08/06/1999                        | Kyocera Corporation                                | ABSTRACT ONLY   |                |
|                          | BY                       | JP 11-251093  | 09/17/1999                        | Kyocera Corporation                                | ABSTRACT ONLY   |                |

|                       |                    |
|-----------------------|--------------------|
| Examiner<br>Signature | Date<br>Considered |
|-----------------------|--------------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3

of 3

**Complete if Known**

|                        |                     |
|------------------------|---------------------|
| Application Number     | 10/646,235          |
| Filing Date            | August 22, 2003     |
| First Named Inventor   | Dominique Billieres |
| Art Unit               | 1775                |
| Examiner Name          | Jennifer C. McNeil  |
| Attorney Docket Number | 1035-SC4287         |

**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                    | CA                    | US-                                      |                                |  |   |
|                    | CB                    | US-                                      |                                |  |   |
|                    | CC                    | US-                                      |                                |  |   |
|                    | CD                    | US-                                      |                                |  |   |
|                    | CE                    | US-                                      |                                |  |   |
|                    | CF                    | US-                                      |                                |  |   |
|                    | CG                    | US-                                      |                                |  |   |
|                    | CH                    | US-                                      |                                |  |   |
|                    | CI                    | US-                                      |                                |  |   |
|                    | CJ                    | US-                                      |                                |  |   |
|                    | CK                    | US-                                      |                                |  |   |
|                    | CL                    | US-                                      |                                |  |   |
|                    | CM                    | US-                                      |                                |  |   |
|                    | CN                    | US-                                      |                                |  |   |
|                    | CO                    | US-                                      |                                |  |   |
|                    | CP                    | US-                                      |                                |  |   |
|                    | CQ                    | US-                                      |                                |  |   |
|                    | CR                    | US-                                      |                                |  |   |
|                    | CS                    | US-                                      |                                |  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document   | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
|                    |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                    | CT                    | JP 11-278944  | 10/12/1999                     | Kyocera Corporation                                  | ABSTRACT ONLY   |                |
|                    | CU                    | JP 11-279761  | 10/12/1999                     | Kyocera Corporation                                  | ABSTRACT ONLY   |                |
|                    | CV                    | JP 2000-1362  | 01/07/2000                     | Nippon Seratekku, KK., Taiheyo<br>Cement Corporation | ABSTRACT ONLY   |                |
|                    | CW                    | WO 02/056420 A2   | 07/18/2002                     | IGC-Superpower, LLC                                  |   |                |
|                    | CX                    |   |                                |  |   |                |
|                    | CY                    |   |                                |  |   |                |

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.